

What is claimed is:

1. A multi-dimensional table data management unit comprising table data management means for defining a data block as a processable data group, the data block being composed of a plurality of (n-1)-dimensional tables (n is a natural number equal to or larger than 3), and for defining item data of the processable data group as n-dimensional data for data management.

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2. The multi-dimensional table data management unit as claimed in claim 1, further comprising calculation processing means for executing a table calculation function based on the item data in each dimension of the data block.

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3. The multi-dimensional table data management unit as claimed in claim 1, wherein said table data management means execute a table editing function based on the item data of the data block in each dimension.

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4. The multi-dimensional table data management unit as claimed in claim 1, wherein said table data management means enclose a portion of a sequence of tables with punctuation tables to define the data block.

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5. The multi-dimensional table data management unit as claimed in claim 4, wherein information indicating a start is added to a first table in the data block to make the first table act as the punctuation table.

6. The multi-dimensional table data management unit as  
claimed in claim 4, wherein information indicating an end  
is added to a last table in the data block to make the last  
5 table act as the punctuation table.

7. The multi-dimensional table data management unit as  
claimed in claim 1, wherein a title is attached to each of  
the tables of the data block.

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8. The multi-dimensional table data management unit as  
claimed in claim 3, wherein, in response to a plurality of  
sorted item data for which sorting is specified in the data  
block and a sort direction thereof, said table data  
management means sort the entire data block by exchanging  
15 storage positions where item data for which the sorting is  
not specified is stored.

9. The multi-dimensional table data management unit as  
20 claimed in claim 3, wherein said table data management means  
rotate the data block according to a specified rotation axis,  
a rotation direction, and an angle to exchange storage  
positions of the item data.

25 10. The multi-dimensional table data management unit as  
claimed in claim 1, wherein said table data management means  
combine a plurality of data blocks to generate a new data  
block.

11. The multi-dimensional table data management unit as claimed in claim 10, wherein said table data management means combine and compose the plurality of data blocks to generate the new data block.

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12. The multi-dimensional table data management unit as claimed in claim 10, wherein, when the plurality of data blocks are combined, said table data management means includes only a common portion to generate the new data  
10 block.

13. The multi-dimensional table data management unit as claimed in claim 10, wherein, when the plurality of data blocks are combined, said table data management means  
15 excludes only a common portion to generate the new data block.

14. A recording medium recording therein a spreadsheet program that defines a data block as a processable data group,  
20 the data block being composed of a plurality of (n-1)-dimensional tables (n is a natural number equal to or larger than 3), and defines item data of the processable data group as n-dimensional data for data management.

25 15. The recording medium according to claim 14 wherein said spreadsheet program executes a table calculation function based on the item data in each dimension of the data block.

16. The recording medium according to claim 14 wherein said

spreadsheet program executes a table editing function based on the item data of the data block in each dimension.

17. The recording medium recording according to claim 14  
5 wherein said spreadsheet program processes the data block defined by enclosing a portion of a sequence of tables with punctuation tables.